NATURAL RESOURCE TECHNOLOGY
ENVIRONMENTAL CONSULTANTS

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Crawford Station MGP Site
Chicago, Illinois

Weekly Field Progress Report

Report Date: May 11, 2012

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Submitted To: Integrys Business Support, LLC (IBS)
Naren M. Prasad, PE

Activity Period: April 29, 2012 through May 5, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

Task	***Environmental Activities***
General Description of Work Performed:	The following activities were conducted: • The remaining material amended with bed ash was loaded and transported off site for direct disposal. • Areas A, C and E were excavated down to the design depth (14 ft. bgs) 40 feet to the east of the former stabilization wall (eastern sheetpile wall). • The top 10 feet of Area D and the Top 8 feet of Area FA was excavated further west and stockpiled to be loaded out for direct disposal. • Excavation along the large sewer was initiated within Area AA. The excavation was performed one bucket width wide down to the bottom of the sewer. Tecnica performed this excavation in 50 foot sections. Upon completion of the 50 foot section, Tecnica removed the historic wooden forms and placed ORC® by Regenesis along the sewer to aid in treatment of the residual MGP byproducts. After the placement of ORC®, the 50 foot sections were backfilled immediately per the request of the Metropolitan Water Reclamation Department. • Thatcher installed the walers in Areas I, L, M and N. • Rusmar foam and woodchips were used in active

General Description of Work Performed: (continued)	excavation and on stockpile in order to mitigate odors as needed. • Excavated soils were loaded and transported to Waste Managements' Laraway Road RDF landfill for disposal. A total of 9,032 tons of material was disposed of at the landfill bringing the overall project total to 97,627 tons. • Utilized GPS to locate pertinent items and features. • NRT conducted air monitoring activities for PM_{10} through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.

Task	***Environmental Activities***
Sampling Activities Performed:	NRT conducted the following sampling activities: • DustTraks collected particulate data each day and data has been downloaded for analysis. • Four SUMMA canisters, which included one duplicate, were deployed on May 1, 2012 and sent to TestAmerica Laboratory for analysis for BTEX and Naphthalene. • Eight post-excavation base samples (EB-35 through 42) were collected from the excavation along the 18 foot diameter sanitary sewer. One sample was taken every 50 foot section that was excavated on both the east and west side of the sewer. These samples were analyzed for constituents listed in the RAWP for post-excavation. • Two samples were collected from post-amendment stockpiles to verify compliance with landfill disposal criteria. The samples were analyzed for Benzene.
NRT Field Personnel:	Kyle J. Bareither and Ron Horan, PG.
Equipment Deployed:	SUMMA Canisters DustTraks PIDs Multi-gas meter
Field Photos:	See attached sheets.

Mr. Shakeel Khan from the City of Chicago Department of Water visited the site on May 2, 2012. Mr. Shakeel Khan performed an inspection of the excavation work adjacent to the large sewer, and provided approval to continue with the work as discussed.

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Work planned for the coming week, May 6, 2012 through May 12, 2012, is as follows:

- Take floor samples from the area along the 18' diameter sanitary sewer every 50 feet as Tecnica excavates this area within the easement (Area AA).
- Take floor and wall samples as they become available in Areas A, C, E and G just east of where the excavation within the sheetpile area was completed.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post amendment, and air sampling from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.

Timothy B. Norris, PG
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

Field Photos:

Photo 1: Thatcher preparing Area M for installation of the walers.

Direction: Facing west.

Photo Date: 5/1/2012

Photo Taken By: KJB

Photo 2: Sampling material from the excavation along the sewer.

Direction: Facing west.

Photo Date: 5/2/2012

Photo Taken By: KJB

Photo 3: Surveying in the bottom of excavation elevation along the sewer.

Direction: Facing northwest.

Photo Date: 5/2/2012

Photo Taken By: KJB

NATURAL RESOURCE TECHNOLOGY

Field Photos (continued):

Photo 4: Placing backfill in the excavation along the large sewer.

Direction: Facing southeast

Photo Date: 5/3/2012

Photo Taken By: KJB

Photo 5: Loading out excavated material along the sewer.

Direction: Facing southeast

Photo Date: 5/3/2012

Photo Taken By: KJB

Photo 6: View of completed 50 foot section and initiation of additional 50 foot excavation along the sewer.

Direction: Facing northeast.

Photo Date: 5/4/2012

Photo Taken By: KJB

1431 Opus Place, Suite 400
Downers Grove, Illinois 60515

Week of: 4/29/12 to 5/05/12

Subject: Site Remediation – Construction Management
Peoples Gas – Former Crawford Station

Burns & McDonnell Personnel Onsite

Site Construction Manager
- Bal Berena

Site Remediation Supervisor
- Bernard Gill

Construction Manager
- Dave D'Armond

Others
- Mike Swieca

Integrys Peoples Gas Personnel Onsite
- None

Subcontractors Onsite

- Tecnica Environmental Services
- Thatcher Foundations
- Interra
- CTI

Others
- Natural Resource Technology (NRT)
- Waste Management (Dave Weber, Steve Jiskra; and Vito Pesoli - MT Transit)
- Rick Owens (Thatcher)

Miscellaneous Visitors
- Shakeel Khan and Syed Ali (City of Chicago Dept. of Water)
- Mario Lipira (Michels Pipeline)
- Dan McCarthy (CTI)

Site Activities

BURNS & MCDONNELL

- Managed site activities with Tecnica Environmental, Helm Electrical Services, CTI and Thatcher Foundations;
- Escorted City of Chicago Department of Water personnel during site visit;
- Issued trucking tracking forms for all excavated soils from Areas L, M, N, and south of R;
- Tracked 269 loads (5,065 tons) for Biopile and 211 loads (3,967 tons) for Direct soils disposal at Laraway Landfill;
- Received 1 load 84 cubic yard of wood chips for odor control and moisture containment;
- Received 3 loads of CA-1 (67.59) tons for rebuilding decon pad and 32 loads of CA-6 (725 tons) for backfill north half bottom of sewer to design depth;
- Pumped and discharged 109,105 gallons of treated excavation water to MWRD;
- Participated in daily subcontractor pre-task analysis safety meetings on site;

- Conducted periodic health and safety air monitoring in excavation area;
- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and
- Monitored site conditions for traffic, dust, odor and overall safety.

TECNICA ENVIRONMENTAL SERVICES

- Excavated and loaded out soils from areas A, D, FA, N, O, and Q;
- Controlled odors through foaming and wood chips use;
- Tecnica continued breaking concrete generated from areas FA,D, O, N, and Q;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting floor samples in FA, D, and O;
- Excavated both sides of Chicago Sanitary Sewer simultaneously as required by OUC;
- Performed routine maintenance on decon pad, tracking pad and haul road;
- Pump water from areas Q and R; and
- Assisted Thatcher in preparation of south half Earth Retention System (ERS).

THATCHER FOUNDATIONS

- Continued bracing installation in south half Earth Retention System (ERS).

INTERRA

- Performed compaction test on one-foot lifts of CA-6 during backfill of areas FA, D, O, and Q.

HELM ELECTRICAL SERVICES

- Demobilized generator and 500 gallon diesel tank.

CTI

- Continued collecting seismic data as required by City of Chicago Sewer Department.

Changes to Scope of Work

- Continued to excavate to the south of original boundaries of Area R; and
- Continued to excavate both sides of sewer to bottom of sewer structure, per Chicago Sewer Department inspector.

Open/Outstanding Items

- Cost differential for bedding sand over sewer compared to CA-6 is being prepared.

Anticipated Activities for the Week of May 6, 2012

- Finish excavating each side of north half of Chicago Sanitary Sewer to bottom of sewer to remove tar saturated wood followed by testing, placement of ORC pellets, backfilling with CA-6;
- Excavate and load out in areas FA, D, TA, S, and south of R;
- Continue installing south half ERS;
- Pump water from areas N, O, Q, and south of R.

Crawford Station Site:

Remediation

Date: May 2, 2012

Description: Looking down east side of Chicago Sanitary Sewer 50-foot section of excexcavation to bottom of sewer.

Crawford Station Site:

Remediation

Date: May 2, 2012

Description: Looking down west side of Chicago Sanitary Sewer 50-foot long section of excavation to bottom of sewer.

Crawford Station Site:

Remediation

Date: May 1, 2012

Description: Looking east at tar seeping from excavation sidewall at west bermed wall of area Q, which will be removed before backfilling.

Crawford Station Site:

Remediation

Date: May 3, 2012

Description: Looking down east side of Chicago Sanitary Sewer 50-foot section of CA-6 backfill compacted in one foot lifts.

Crawford Station Site:

Remediation

Date: May 4, 2012

Description: View to the north of backfilling the deep side excavations on both sides of the sewer simultaneously at the same elevation.

Crawford Station Site:

Remediation

Date: May 1, 2012

Description: Southwest corner of the sheeting wall showing finished anchor wall prior to installing bracing. View is to the northeast.